

Appl. No. : 10/824,797
Filed : April 15, 2004

AMENDMENTS TO THE CLAIMS

Please amend Claim 1 as follows. Insertions are shown underlined while deletions are ~~struck-through~~. Please add Claims 12-17.

1 (currently amended): An antistatic optical film comprising:

an optical film for improving display-quality of a display screen; and

~~an antistatic layer laminated on and in contact with at least one side of ~~an~~the optical film, wherein the antistatic layer comprises a water soluble or a water dispersible conductive polymer.~~

2 (original): The antistatic optical film according to Claim 1, wherein the water soluble or the water dispersible conductive polymer is a polyaniline and/or a polythiophene.

3 (original): The antistatic optical film according to Claim 1, wherein a surface resistance value of the antistatic layer is $1 \times 10^{12} \Omega/\square$ or less.

4 (original): The antistatic optical film according to Claim 1, wherein a pressure sensitive adhesive layer is laminated on another side of a surface having the optical film of the antistatic layer.

5 (original): The antistatic optical film according to Claim 4, wherein the pressure sensitive adhesive layer is formed of an acrylic pressure sensitive adhesive.

6 (original): The antistatic optical film according to Claim 1, wherein the optical film comprises a polarizing plate.

7 (original): The antistatic optical film according to Claim 1, wherein a surface material of the optical film on which the antistatic layer is laminated is a polycarbonate or a norbornene resin.

8 (original): The antistatic optical film according to Claim 1, wherein an activation treatment is given to the optical film.

9 (original): A method for manufacturing an antistatic optical film according to Claim 1 comprising an antistatic layer at least one side of an optical film, comprising the steps of:

applying an aqueous solution or an aqueous dispersion comprising a water soluble or a water dispersible conductive polymer on the optical film; and

drying to form the antistatic layer.

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10 (original): An image viewing display comprising at least one of the antistatic optical film according to Claim 1.

11 (original): A liquid crystal display in which the image viewing display according to Claim 10 comprises a liquid crystal cell of IPS mode or VA mode, wherein the antistatic optical film according to Claim 1 is provided on one side or both sides of the liquid crystal cell.

12 (new): The antistatic optical film according to Claim 2, wherein the water soluble or the water dispersible conductive polymer is a polyaniline.

13 (new): The antistatic optical film according to Claim 2, wherein the water soluble or the water dispersible conductive polymer is a polythiophene.

14 (new): The antistatic optical film according to Claim 12, wherein the polyaniline contains a hydrophilic functional group in a molecule.

15 (new): The antistatic optical film according to Claim 13, wherein the polythiophene contains a hydrophilic functional group in a molecule.

16 (new): The antistatic optical film according to Claim 1, wherein the water soluble or water dispersible conductive polymer is a water soluble conductive polymer, solubility of which is 20-30 g per 100 g of water.

17 (new): The antistatic optical film according to Claim 1, wherein the water soluble or water dispersible conductive polymer is a water dispersible conductive polymer constituted by micro-particles having a size of 1 μm or less.